

SEQUENCE LISTING

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NIELSEN, POUL

<120> OLIGONUCLEOTIDE ANALOGUES

<130> 49165 (71994)

<140> 09/152,059

<141> 1998-09-11

<150> 60/058,541

<151> 1997-09-12

<150> 60/068,293

<151> 1997-12-19

<150> 60/071,682

<151> 1998-01-16

<150> 60/076,591

<151> 1998-03-03

<150> 60/083,507

<151> 1998-04-29

<150> 60/088,309

<151> 1998-06-05

<150> 60/094,355

<151> 1998-07-28

<160> 146

<170> PatentIn Ver. 2.1

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<210> 15
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24

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24

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15

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<400> 24
gtaaaacgac ggccagt 17

<210> 25
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<400> 25
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<400> 26
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<210> 27
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<220>
<223> Description of Artificial Sequence: Probe

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atgcctgcag gtcgac

16

<210> 28
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ggtggtttgt ttg

13

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ggtggtttgt ttg

13

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<400> 33
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<400> 34
 gtagagcttt ctggtatgac aca 23

<210> 35
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<400> 35
 taagtcacag acgtatctca gac 23

<210> 36
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<400> 36
 ctctgtttca gacatgaact gct 23

<210> 37
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<400> 37
 ttccacagca caa 13

<210> 38
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<400> 39
ttccacagca caa

13

<210> 40
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agagccgata aca

13

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13

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agagccgata aca

13

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<400> 43
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13

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<220>
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 ggtgggtttgt ttg

13

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<220>
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50

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<400> 46
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 ggtggtttgt ttg

13

<210> 48
 <211> 13
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<220>
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<400> 48
 ggtggtttgt ttg

13

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<400> 49
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18

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<400> 50
 cagcagtcga cagag

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<400> 52
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15

<210> 53
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<220>
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<400> 53
 tgcattgtgct ggaga

15

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24

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<210> 56
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16

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13

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<220>
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<400> 61
 tgcctgcagg tcgact

16

<210> 62
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<212> DNA
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<220>

<223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 62

tgctgcagg tcgact

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<210> 63

<211> 16

<212> DNA

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<220>

<221> modified_base

<222> (1)..(15)

<223> LNA monomer

<220>

<223> Description of Artificial Sequence: LNA modified
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tgtgtgaaat tgttat

16

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<211> 13

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<220>

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<220>

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13

<210> 65

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<212> DNA

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14

<210> 66
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<220>
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<400> 66
 tttttttttt tttt

14

<210> 67
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<220>
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<220>
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<400> 67
 tttttttttt tttt

14

<210> 68
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<220>
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tttttttttt tttt

14

<210> 69
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<220>
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<400> 69
tttttttttt

10

<210> 70
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<220>
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<400> 70
tttttttttt tttttt

16

<210> 71
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<220>
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oligonucleotide

<400> 71
ggtggtttgt ttg 13

<210> 72
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 72
caaacaaacc aca 13

<210> 73
<211> 13
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 73
caaacaaacc aca 13

<210> 74
<211> 13
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<220>
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<223> LNA monomer

<220>
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oligonucleotide

<400> 74
ggtggtttgt ttg 13

<210> 75
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<220>
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oligonucleotide

<400> 75
caaacaaacc aca

13

<210> 76
<211> 13
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 76
caaacaaacc aca

13

<210> 77
<211> 13
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<220>
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<220>
<223> Description of Artificial Sequence: LNA modified
oligonucleotide

<400> 77
ggtggtttgt ttg

13

<210> 78
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 78
caaacaaacc aca

13

<210> 79
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 79
caaacaaacc aca

13

<210> 80
<211> 14
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<213> Artificial Sequence

<220>
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oligonucleotide

<400> 80
tttttttttt tttt

14

<210> 81
<211> 14
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<213> Artificial Sequence

<220>
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oligonucleotide

<400> 81
aaaaaaaaaa aaaa

14

<210> 82
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 82
aaaaaaaaaa aaaa

14

<210> 83
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<220>
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<223> LNA monomer

<220>
<223> Description of Artificial Sequence: LNA modified
oligonucleotide

<400> 83
 tttttttttt tttt 14

<210> 84
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 84
 aaaaaaaaaa aaaa 14

<210> 85
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<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 85
 aaaaaaaaaa aaaa 14

<210> 86
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<220>
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<220>
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 oligonucleotide

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 tttttttttt tttt 14

<210> 87
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<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 87
aaaaaaaaaaaa aaaa

14

<210> 88
<211> 14
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 88
aaaaaaaaaaaa aaaa

14

<210> 89
<211> 14
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<213> Artificial Sequence

<220>
<221> modified_base
<222> (6)..(9)
<223> LNA monomer

<220>
<223> Description of Artificial Sequence: LNA modified
oligonucleotide

<400> 89
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14

<210> 90
<211> 14
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 90
aaaaaaaaaaaa aaaa

14

<210> 91
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 91
aaaaaaaaaaaa aaaa

14

<210> 92
<211> 14
<212> DNA
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<220>
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<220>
<221> modified_base
<222> (11)
<223> LNA monomer

<220>
<223> Description of Artificial Sequence: LNA modified
oligonucleotide

<400> 92
tttttttttt tttt

14

<210> 93
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 93
aaaaaaaaaaaa aaaa

14

<210> 94
<211> 14
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 94
aaaaaaaaaa aaaa

14

<210> 95
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<220>
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<223> LNA monomer

<220>
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oligonucleotide

<400> 95
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10

<210> 96
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 96
aaaaaaaaaa aaaa

14

<210> 97
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 97
aaaaaaaaaa aaaa

14

<210> 98
<211> 14
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<220>
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<222> (8)
<223> LNA monomer

<220>
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 oligonucleotide

<400> 98
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14

<210> 99
 <211> 14
 <212> DNA
 <213> Artificial Sequence

<220>
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 oligonucleotide

<400> 99
 aaaaaaaaaa aaaa

14

<210> 100
 <211> 14
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 100
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14

<210> 101
 <211> 14
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 <223> LNA monomer

<220>
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 oligonucleotide

<400> 101
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<210> 102
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<220>
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 oligonucleotide

<400> 102
 aaaaaaaaaa aaaa

14

<210> 103
 <211> 14
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 103
 aaaaaaaaaa aaaa

14

<210> 104
 <211> 14
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<220>
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 <223> LNA monomer

<220>
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 oligonucleotide

<400> 104
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14

<210> 105
 <211> 14
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 <213> Artificial Sequence

<220>
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 oligonucleotide

<400> 105
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14

<210> 106
 <211> 14
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 106
 aaaaaaaaaa aaaa

14

<210> 107
 <211> 14
 <212> DNA
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<220>

<221> modified_base
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 <223> LNA monomer

<220>

<223> Description of Artificial Sequence: LNA modified
 oligonucleotide

<400> 107
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14

<210> 108
 <211> 14
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 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 108
 aaaaaaaaaa aaaa

14

<210> 109
 <211> 14
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<220>

<223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 109
 aaaaaaaaaa aaaa

14

<210> 110
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<220>
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<220>
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 <223> LNA monomer

<220>
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 oligonucleotide

<400> 110
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14

<210> 111
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 <213> Artificial Sequence

<220>
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<400> 111
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14

<210> 112
 <211> 14
 <212> DNA
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<220>
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 oligonucleotide

<400> 112
 aaaaaaaaaa aaaa

14

<210> 113
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<220>
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14

<210> 114
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<220>
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 oligonucleotide

<400> 114
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14

<210> 115
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 <212> DNA
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<220>
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 oligonucleotide

<400> 115
 aaaaaaaaaa aaaa

14

<210> 116
 <211> 14
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 116
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14

<210> 117
<211> 14
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<220>
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<220>
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oligonucleotide

<400> 117
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14

<210> 118
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<220>
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oligonucleotide

<400> 118
aaaaaaaaaa aaaa

14

<210> 119
<211> 14
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<220>
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oligonucleotide

<400> 119
aaaaaaaaaa aaaa

14

<210> 120
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<220>
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oligonucleotide

<400> 120
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14

<210> 121
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<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 121
 aaaaaaaaaa aaaa

14

<210> 122
 <211> 14
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 122
 aaaaaaaaaa aaaa

14

<210> 123
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<220>
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 <223> LNA monomer

<220>
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 oligonucleotide

<400> 123
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14

<210> 124
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 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 124

aaaaaaaaaa aaaa

14

<210> 125

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 125

aaaaaaaaaa aaaa

14

<210> 126

<211> 14

<212> DNA

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<220>

<221> modified_base

<222> (6)..(9)

<223> LNA monomer

<220>

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oligonucleotide

<400> 126

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14

<210> 127

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 127

aaaaaaaaaa aaaa

14

<210> 128

<211> 14

<212> DNA

<213> Artificial Sequence

<220>
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oligonucleotide

<400> 128
aaaaaaaaaaaa aaaa

14

<210> 129
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<220>
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oligonucleotide

<400> 129
tttttttttt tttt

14

<210> 130
<211> 14
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<220>
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oligonucleotide

<400> 130
aaaaaaaaaaaa aaaa

14

<210> 131
<211> 14
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<220>
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oligonucleotide

<400> 131
aaaaaaaaaaaa aaaa

14

<210> 132
<211> 14
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<220>
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oligonucleotide

<400> 132
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14

<210> 133
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<220>
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oligonucleotide

<400> 133
aaaaaaaaaa aaaa

14

<210> 134
<211> 14
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<220>
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oligonucleotide

<400> 134
aaaaaaaaaa aaaa

14

<210> 135
<211> 14
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<220>
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oligonucleotide

<400> 135
 tttttttttt tttt 14

<210> 136
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<220>
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 oligonucleotide

<400> 136
 aaaaaaaaaa aaaa 14

<210> 137
 <211> 14
 <212> DNA
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<220>
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 oligonucleotide

<400> 137
 aaaaaaaaaa aaaa 14

<210> 138
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 oligonucleotide

<400> 138
 tttttttttt tttt 14

<210> 139
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<220>
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 oligonucleotide

<400> 139
aaaaaaaaaaaa aaaa

14

<210> 140
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<220>
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oligonucleotide

<400> 140
aaaaaaaaaaaa aaaa

14

<210> 141
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<220>
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oligonucleotide

<400> 141
tttttttttt tttt

14

<210> 142
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<220>
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oligonucleotide

<400> 142
aaaaaaaaaa aaaa

14

<210> 143
<211> 14
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<220>
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oligonucleotide

<400> 143
aaaaaaaaaa aaaa

14

<210> 144
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oligonucleotide

<400> 144
tttttttttt tttt

14

<210> 145
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<220>
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oligonucleotide

<400> 145
aaaaaaaaaa aaaa

14

<210> 146
<211> 14
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<220>
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oligonucleotide

<400> 146
aaaaaaaaaa aaaa